



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number : 09/739,903 Confirmation No. 4948
Applicant : Sang-Soo LEE et al.
Filed : December 20, 2000
Tech Cntr/AU : 2633
Examiner : Shi K. Li
Entitled : APPARATUS AND METHOD FOR STIMULATED BRILLOUIN
SCATTERING SUPPRESSION USING SUPERVISORY
CHANNEL

Attorney Reference : 123037-05004968
Customer Number : 43569

MAIL STOP RCE

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Sir:

Pursuant to 37 CFR §1.97 and 1.56, the attention of the U.S. Patent and Trademark Office is hereby directed to the following disclosures made herein, which include:

REFERENCES AND RELEVANCY

- ☒ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. Copies of the listed documents are attached, where required, as are any readily available full or partial English translations of any non-English language documents.
- ☐ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. The references cited herein were cited for consideration in the parent application, and, pursuant to 37 CFR 1.98(d), copies of the cited references can be found in the file of the parent application (*U.S. Serial No. , filed*).
- ☐ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. The references cited herein were cited in the International Search Report issued for the corresponding International application, and copies of the International Search Report and the cited references are attached for the Examiner's consideration.
- ☐ Applicant(s) wish(es) to make of record the documents listed on the attached Form PTO-1449. The references cited herein were cited in a communication from a foreign or international patent office in a counterpart foreign or international application(s), and copies of both the relevant communication and the cited references, where required, are attached for the Examiner's consideration.

CERTIFICATION

The undersigned certifies that, pursuant to 37 CFR §1.97(e)(1),

- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign or international patent office in a counterpart foreign or international application not more than three months prior to the filing of this Statement.

RELATED CASES

- ☐ Identified in the attached Appendix are related applications directed to related technical subject matter. Copies of the related applications, where required, are attached for the Examiner's consideration. *The identification of the related U.S. patent applications is not to be construed as a waiver of secrecy for those applications, now or upon issuance of the present application as a patent.*

BASIS FOR CONSIDERATION

This Information Disclosure Statement is filed:

- ☐ within three months of the filing date of the application and/or before the mailing date of a first Official Action on the merits, and no fee is required [37 C.F.R. §1.97(b)].
- ☐ with the appropriate certification, and no fee is required [37 C.F.R. §1.97(e)(1)].
- ☐ after the mailing date of the first Official Action on the merits, but prior to the issuance of a Final Official Action or a Notice of Allowance, and the requisite fee, if necessary, is authorized herein for payment [37 C.F.R. §1.97(c)].
- ☐ after the mailing date of the Final Official Action or Notice of Allowance, but prior to the payment of the issue fee, the requisite certification under 37 CFR §1.97(e)(1) is made herein, and the requisite fee, if necessary, is authorized herein for payment [37 C.F.R. §1.97(d)].
- ☒ with a Request for Continued Examination (RCE), and no fee is required [37 C.F.R. §1.97(b)(4)].

FEE AUTHORIZATION

- ☒ Authorization is hereby given to charge any deficient fee(s) under 37 CFR §1.16 and §1.17 as necessary to ensure the consideration of this disclosure, or to credit any fee overpayments, to Deposit Account No. 503-121.
- ☐ Authorization is hereby given to charge the requisite fee of \$180 (Fee Code 1806) for submission of this Information Disclosure Statement to Deposit Account No. 503-121.

It is respectfully requested that this information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

The Examiner is further respectfully requested to return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column.

The examination and allowance of this Application is respectfully requested.

Respectfully Submitted,

MAYER BROWN ROWE & MAW LLP

By: 

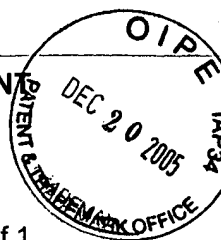
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Date: December 20, 2005

Attachment(s): PTO Form 1449
Cited References

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**



Attorney Reference: 123037-05004968

Applicant: Sang-Soo LEE et al.

Application Serial No. 09/739,903

Filing Date: December 20, 2000

Date: December 20, 2005

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Examiner: Shi K Lee

Group Art Unit: 2633

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR	5,329,396	07/1994			
	BR	5,851,259	12/1998			
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Translation Readily Available		English Abstract	
				Enclosed	No	Enclosed	No
	OR						
	PR						
	QR						
	RR						
	SR						
	TR						
	UR						
	VR						

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

WR	Horiuchi et al., "Stimulated Brillouin scattering suppression effects induced by cross-phase modulation in high power WDM repeaterless transmission", Electronic Letters, February 19, 1998 pp. 390-391.
XR	Franck et al., "Experimental Verification Of SBS Supression By Duobinary Modulation", Conference Publication No. 448, September 22-25, 1997, pp. 71-74.
YR	Fishman et al., "Degradations Due to Stimulated Brillouin Scattering in Multigigabit Intensity-Modulated Fiber-Optic Systems", Journal of Lightwave Technology, November 1993, pp. 1721-1728.
ZR	Franck et al., "US5917638: Duo-binary signal encoding", Intellectual Property Network, June 29, 1999, pp. 1-2.
AAR	
BBR	

Examiner

Date Considered:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.